

iOLM + FIP Report



iOLM General Information

Filename:
 Test date:
 Test time:
 Job ID:
 Customer:
 Company:
 Operator:
 Unit model:
 Unit S/N:
 Calibration date:
 Comments:

FIP General Information

Filename: H_L3_R14_FWS1.cmax2
 Test date: 25/4/2014
 Test time: 6:16:07 PM (GMT+08:00)
 Job ID:
 Customer:
 Company:
 Operator:
 Unit model: FIP-430B
 Unit S/N: 758354
 Comments:

iOLM Identifiers

FIP Identifiers

Cable ID:
 Fiber ID:
 Connector ID:
 Location: L3-R14-FWS1

iOLM Results

Wavelength (nm)	Link loss (dB)	Link ORL (dB)	Propagation delay (µs)
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Link length:
 Acquisition status:

FIP Results Table

Zone	Scratches		Defects	
	Criteria	Count	Criteria	Count
A: Core	0µm≤size<∞	0	0µm≤size<∞	4
B: Cladding	0µm≤size<3µm	0	0µm≤size<2µm	12
	3µm≤size<∞	0	2µm≤size<5µm	47
			5µm≤size<∞	23
C: Adhesive	---	---	---	---
D: Contact	0µm≤size<∞	0	0µm≤size<10µm	101
			10µm≤size<∞	15

iOLM Pass/Fail Thresholds

FIP Thresholds

Zone	Scratches		Defects	
	Criteria	Thr.	Criteria	Thr.
A: Core	0µm≤size<∞	0	0µm≤size<∞	0
B: Cladding	0µm≤size<3µm	any	0µm≤size<2µm	any
	3µm≤size<∞	0	2µm≤size<5µm	5
			5µm≤size<∞	0
C: Adhesive	---	---	---	---
D: Contact	0µm≤size<∞	any	0µm≤size<10µm	any
			10µm≤size<∞	0

iOLM Test Settings

Launch fiber length:
 Receive fiber length:
 IOR:
 Backscatter:
 Fiber core size:

FIP Test Parameters

Configuration: IEC SM SF UPC ORL ≥ 45 dB
 Connector type: (SF) Single-Fiber connector
 Fiber type: (SM) Single-Mode fiber
 Polishing type: (UPC) Ultra-polished physical contact
 Focus level: 77.00% (Nominal)



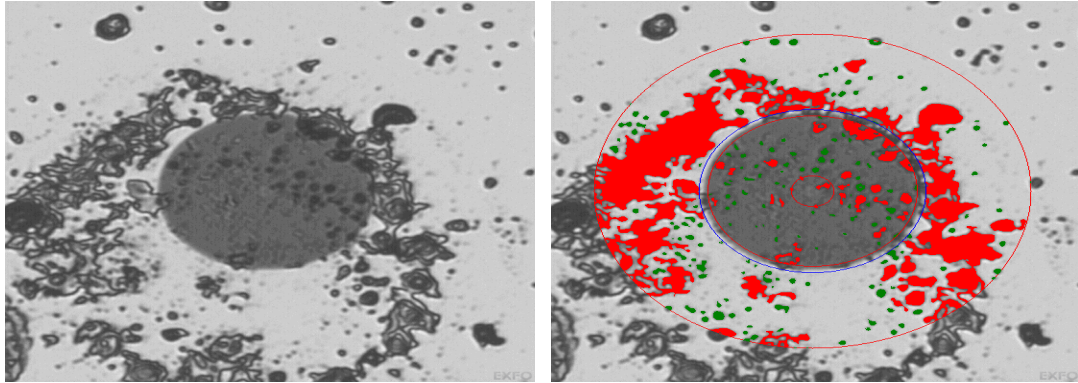
Signature: _____

Date: 21/5/2014

iOLM + FIP Report

 **Fail**

FIP Graphs A->B



iOLM + FIP Report



iOLM General Information

Filename: MDF_1310 + 1550_L3-R14_FWS1.iolm
Test date: 25/4/2014
Test time: 6:27:02 PM (GMT+08:00)
Job ID:
Customer:
Company:
Operator:
Unit model: FTB-720G+23B-EA
Unit S/N: 735635
Calibration date: 6/11/2013
Comments:

iOLM Identifiers

Cable ID:
Fiber ID:
Location A: L3-R14-FWS1
Location B: MDF Room @ Port L3R14P1
None:

iOLM Results

Wavelength (nm)	Link loss (dB)	Link ORL (dB)	Propagation delay (µs)
1550	5.154	47.23	0.335
1310	1.780	44.44	0.335

Link length: 0.0684 km
Acquisition status: Completed

iOLM Pass/Fail Thresholds

	1310 nm	1550 nm
Max. link loss	3.000 dB	0.300 dB
Max. link ORL	45.00 dB	45.00 dB
Max. splice loss	0.050 dB	0.050 dB
Max. connector loss	0.300 dB	0.300 dB
Reflectance	-50.0 dB	-50.0 dB

iOLM Test Settings

Launch fiber length: 0.1641 km
Receive fiber length: 0.5116 km
IOR: 1.468325
Backscatter: -81.87 dB
Fiber core size: 9 µm

FIP General Information

Filename:
Test date:
Test time:
Job ID:
Customer:
Company:
Operator:
Unit model:
Unit S/N:
Comments:

FIP Identifiers

Cable ID:
Fiber ID:
Connector ID:
Location:

FIP Results Table

Zone	Scratches		Defects	
	Criteria	Count	Criteria	Count

FIP Thresholds

Zone	Scratches		Defects	
	Criteria	Thr.	Criteria	Thr.

FIP Test Parameters

Configuration:
Connector type:
Fiber type:
Polishing type:
Focus level:



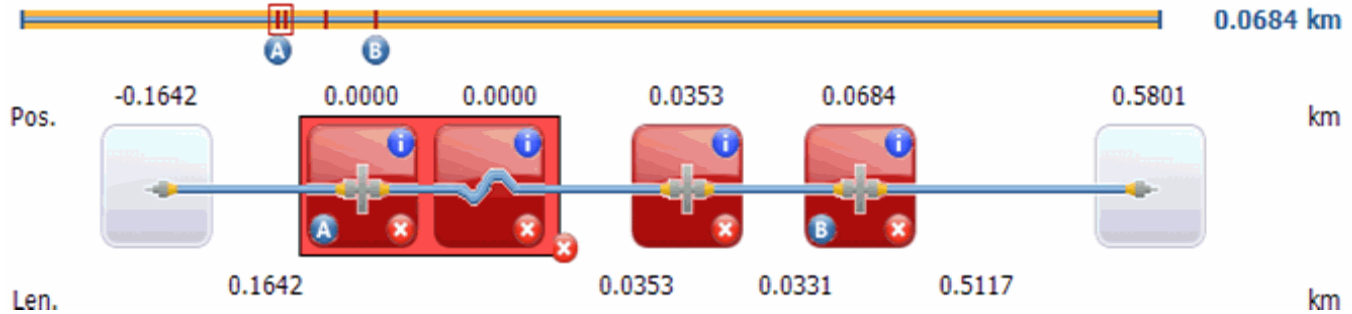
Signature: _____

Date: 21/5/2014

iOLM + FIP Report



Link View



iOLM Table

Element Type	Position (km)	Loss (dB)		Reflectance (dB)		Diagnostic
		1310 nm	1550 nm	1310 nm	1550 nm	
Connector	-0.1642	0.261	0.186	-69.5	-74.3	
Group	0.0000	0.550	3.699	-46.5	-48.0	
+ Connector (A)	0.0000	0.550	3.699	-46.5	-48.0	The fiber under test is not properly connected to the launch fiber. The connector or bulkhead is damaged, dirty or not well connected. Inspect and clean as needed. The connector or bulkhead is damaged, dirty or not well connected. Inspect and clean as needed. The excess loss could be due to an element not identified as a splitter.
+ Macrobend	0.0000	---	---	---	---	Inspect the fiber in this area to search for excessive bending or cable compression.
Connector	0.0353	0.907	0.841	-53.2	-54.6	The connector or bulkhead is damaged, dirty or not well connected. Inspect and clean as needed.
Connector (B)	0.0684	0.322	0.614	-51.2	-53.3	The connector or bulkhead is damaged, dirty or not well connected. Inspect and clean as needed.
Connector	0.5801	---	---	-32.0	-30.3	

iOLM + FIP Report



iOLM General Information

Filename:
 Test date:
 Test time:
 Job ID:
 Customer:
 Company:
 Operator:
 Unit model:
 Unit S/N:
 Calibration date:
 Comments:

FIP General Information

Filename: P-L3-14-F1.cmax2
 Test date: 25/4/2014
 Test time: 6:36:35 PM (GMT+08:00)
 Job ID:
 Customer:
 Company:
 Operator:
 Unit model: FIP-430B
 Unit S/N: 758356
 Comments:

iOLM Identifiers

FIP Identifiers

Cable ID:
 Fiber ID:
 Connector ID:
 Location: MDF Room @ Port L2R13P1

iOLM Results

Wavelength (nm)	Link loss (dB)	Link ORL (dB)	Propagation delay (µs)
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Link length:
 Acquisition status:

FIP Results Table

Zone	Scratches		Defects	
	Criteria	Count	Criteria	Count
A: Core	0µm≤size<∞	0	0µm≤size<∞	0
B: Cladding	0µm≤size<3µm	0	0µm≤size<2µm	3
	3µm≤size<∞	0	2µm≤size<5µm	3
			5µm≤size<∞	0
C: Adhesive	---	---	---	---
D: Contact	0µm≤size<∞	0	0µm≤size<10µm	178
			10µm≤size<∞	24

iOLM Pass/Fail Thresholds

FIP Thresholds

Zone	Scratches		Defects	
	Criteria	Thr.	Criteria	Thr.
A: Core	0µm≤size<∞	0	0µm≤size<∞	0
B: Cladding	0µm≤size<3µm	any	0µm≤size<2µm	any
	3µm≤size<∞	0	2µm≤size<5µm	5
			5µm≤size<∞	0
C: Adhesive	---	---	---	---
D: Contact	0µm≤size<∞	any	0µm≤size<10µm	any
			10µm≤size<∞	0

iOLM Test Settings

Launch fiber length:
 Receive fiber length:
 IOR:
 Backscatter:
 Fiber core size:

FIP Test Parameters

Configuration: IEC SM SF UPC ORL ≥ 45 dB
 Connector type: (SF) Single-Fiber connector
 Fiber type: (SM) Single-Mode fiber
 Polishing type: (UPC) Ultra-polished physical contact
 Focus level: 85.00% (Nominal)



Signature: _____

Date: 21/5/2014

iOLM + FIP Report

 **Fail**

FIP Graphs B->A

